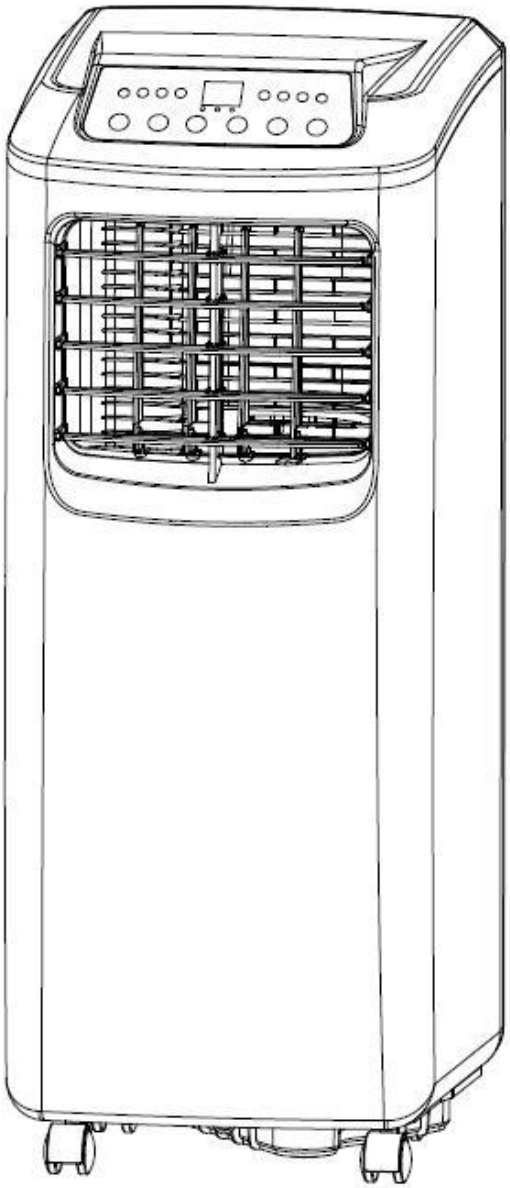
User Manual

YPO6 Series

Portable Air-conditioner



Thank you for selecting this new model portable air conditioner. Please read this owner's manual carefully before operating the unit. Please keep this manual in a safe place for future reference.

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Important Safeguards

Important safeguards:

- The appliance is for indoor use only. Read all instructions
- Rated Power Supply: Connect unit to a Grounded Power Source: 110-120VAC, 60HZ.
- Disconnect the power plug before dismantling, assembling or before cleaning unit.
- Avoid touching moving parts of the appliance.
- Never insert fingers, pencils or any other objects though the vent guard whenever the power plug is connected, especially while running.
- The appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the unit safely.
- Young children should be supervised to ensure that they do not play with the appliance.
- Do not use the appliance for any other purposes than its intended use.
- The appliance must not be used if the guards are not fasten according to the instructions.
- When the power cord is damaged, it must be replaced by the manufacturer or a qualified service agent to avoid hazard
- Do not use your appliance with an extension cord unless it has been rated and tested by a qualified electrician or electrical supplier
- For service, return unit to an authorized service agent.
- **The air conditioner unit must always be stored and transported upright, otherwise you may cause irreparable damage to the compressor; in case of doubt we suggest to wait for at least 24 hours before you start air-conditioning unit.**
- Avoid restarting the air conditioning unit unless 3 minutes have passed since being turned off, or the compressor may get damaged.
- Never unplug the power cord plug to start or turn off the air conditioning unit. Use the ON/OFF switch located on the control panel.
- Always place the portable air conditioner on a dry level place.
- The appliance shall not be installed in the laundry room.
- The appliance must be positioned so that the plug is accessible. And it shall be installed in accordance with national wiring regulations.

Energy Saving Tips

- Do not cover or restrict the airflow from the Outlet or Inlet grills.
- The minimum distance from furniture and wall should be 50CM (20 inches)
- Keep the filters clean. Under normal conditions, the filters should be cleaned approximately every 30 days. Since the filters remove airborne particles, more frequent cleaning maybe necessary, depending on the indoor air quality.
- Set the fan speed switch to high cool and the thermostat to the coolest position for the initial start-up, then set the fan switch to Low cool and lower the thermostat to a comfortable setting.

Suggestions:

For better efficiency, do not to use cooling function when ambient environment is higher than 35C (95F), or heating function when the ambient environment is lower than 7C (45F) .

Function Description

These series of mobile air-conditioners is available in two model lines: Cooling models and Cooling & Heating models. The Cooling only models offers Cooling, Dehumidifier, Fan air and Sleep Functions. The Cooling & Heating Models offer Cooling, Dehumidifier, Fan air and Heating Functions. The speed of the fan is adjustable between high & low fan speed, the temperature setting range is 17 - 30^{0}C (63F – 86F), and various protection functions such as (24h) timed ON/OFF setting.

Features and Parts

1. Features

·Brand new appearance and a compact streamline structure.

··The appearance of the unit is practical and elegant. The remote control can be stored on the right of the handle at the back of the unit, and the remote control features user-friendly memory design.

··The power cord with a universal jack design can be stored in the back of the unit for convenience and protection of the power cord.

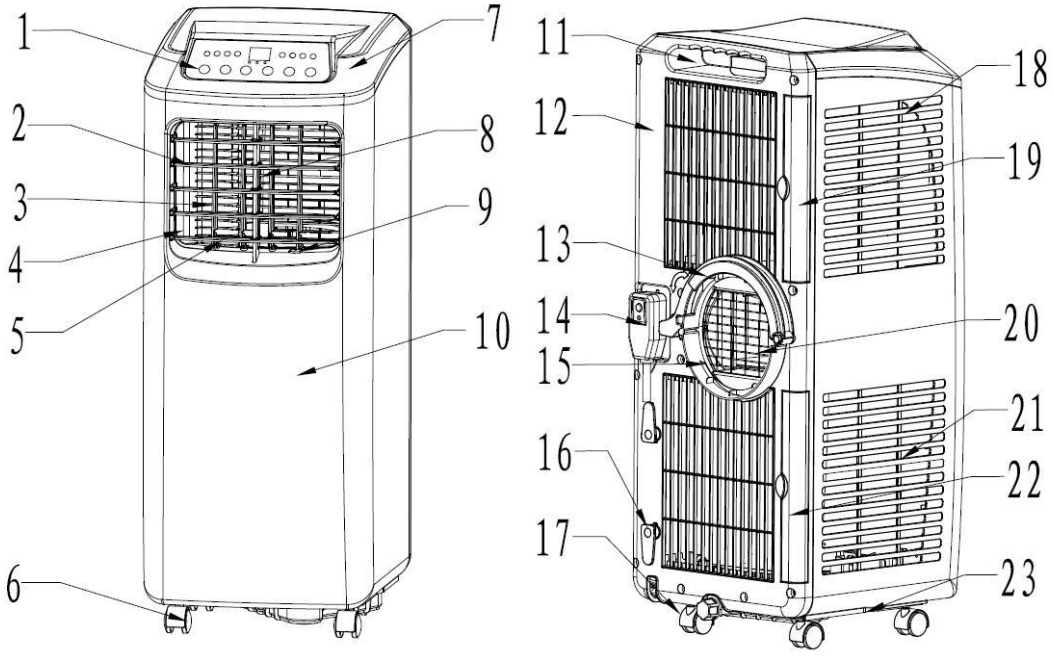
·The position of the outdoor connector is placed high to allow for convenient assembly and smooth air flow of the heat exhaust hose.

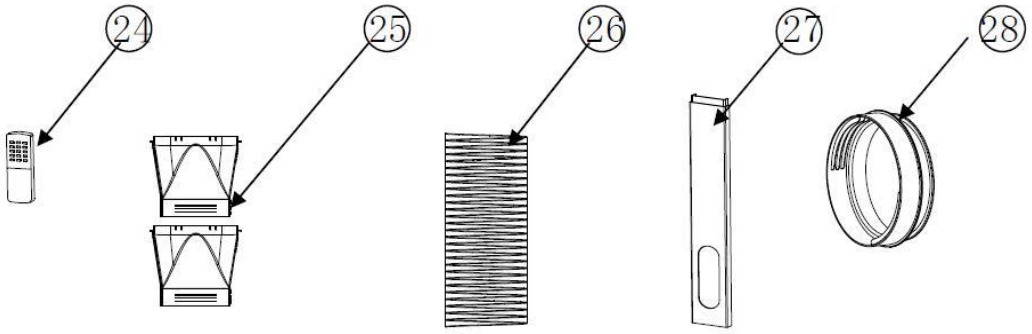
·Timer start/shutdown function, with unique start/shutdown music.

·3-minute delay compressor restart protection function and other protection functions.

·The snap-fit design of the heat exhaust hose allows for fast and easy installation of the unit.

2. Parts:





1. Control panel
2. Horizontal louver
3. Vertical louver
4. Air outlet frame
5. Vertical Louvre connecting lever
6. Caster
7. Top cap
8. Horizontal louver connecting lever
9. Main vertical louver
10. Front shell
11. Handle and Remote Control holder
12. Back shell
13. C buckle for heat exhaust hose snap
14. Power cord
15. Lower air duct bottom
16. Wire-winding post
17. Drain cap
18. Evaporator filter mesh
19. Evaporator filter frame
20. Radiating fine mesh
21. Condenser filter mesh
22. Condenser filter frame
23. Base plate
24. Remote control
25. Heat exhaust hose end connector
26. Heat exhaust hose
27. Window frame adaptor
28. Circular connector

Installation Adjustment

1. Installation

Warning: leave this mobile air-conditioner in an upright position for at least 2 hours before first use.

This air-conditioner may be moved indoor conveniently; leave the air-conditioner in an upright position while moving it. The air-conditioner shall be placed on a flat ground surface. Do not install or operate this air-conditioner in a bathroom or other wet environments.

1.1 .Installation of the C shape buckle to the heat exhaust hose and unit

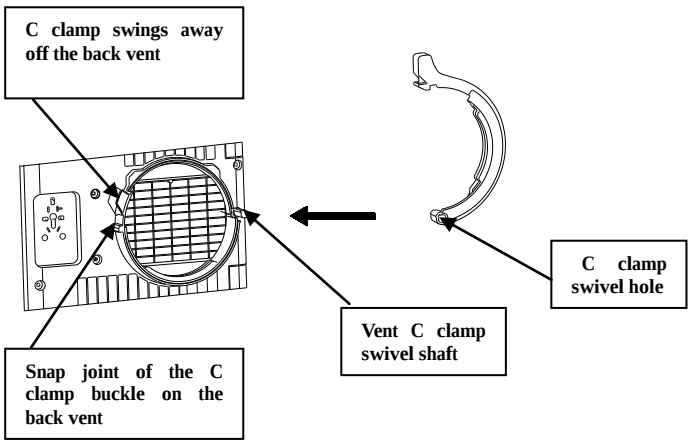

C clamp swings away off the back vent
C clamp swivel hole
Vent C clamp swivel shaft
Snap joint of the C clamp buckle on the back vent

Figure 1

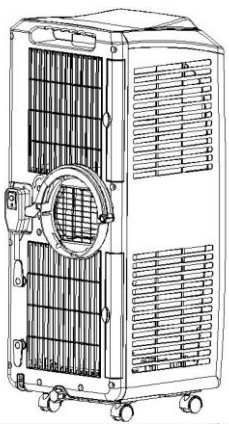


Figure 2

1). Take the heat exhaust hose C clamp buckle off the plastic bag.

2). Point the swivel hole at the end of the C clamp, towards the swivel shaft at the back of the vent. Set it onto the swivel shaft on the back exhaust vent as shown in Figure 1.

Note: 1. When the end snap joint at the end of the swivel shaft sticks out of the snap, it means that the heat exhaust hose clamp has been set into place.

3). Rotate the C clamp buckle and set into place counterclockwise to clip the snap joint of the C clamp buckle successfully through the guide of the swivel shaft at the back vent as shown in Figure 2.

Note: 1. Do not rotate the C clamp if it is not set into place as this may cause damage to the rotation shaft and the C clamp.

1.2. Installation of the Heat Exhaust Hose Assembly to the A/C unit

1). Pull the end of the heat exhaust hose apart by several turns;

2). Hold the end of the C clamp buckle with the left hand and the heat exhaust hose end connector (#28) with the right hand, put one end of the heat exhaust hose that is pulled apart onto the snap of the lower air duct bottom, press the C clamp buckle with the left hand so that the C clamp clips locks in place as shown in Figure 3.

Note: 1.The end of the hose must reach the lower air duct as shown in Figure 4.

2.The few turns at the end of the exhaust hose must be snapped in firmly.

3.The C clamp must clip the back shell and heat exhaust hose firmly.

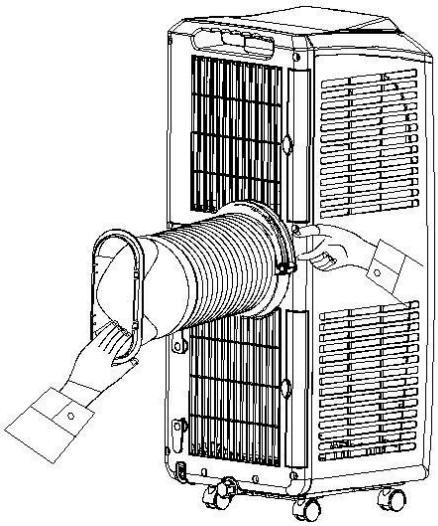


Figure 3

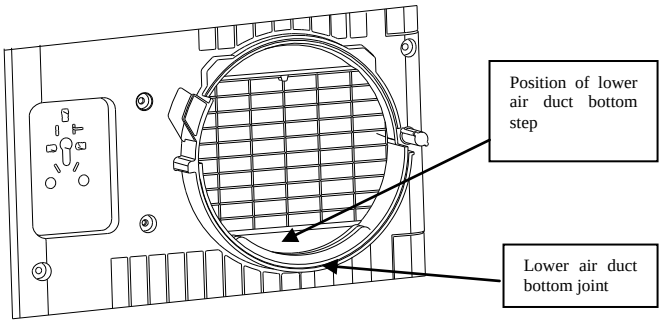


Figure 4

3). Hold the unit with one hand and the heat exhaust hose short connector with another hand; or one person holds the unit and another person pulls the hose to extend it.

Note: 1. Do not separate the heat exhaust hose assembly from the unit.

2. Do not tilt the unit when extending the heat exhaust hose.

1.3 Installation of the Window Frame Adaptor

2). Half open the window and mount the window frame adaptor board onto the window frame, either vertically or horizontally (as shown in Figure 5 and 6).

3). Pull apart the parts of the window adaptor board assembly and adjust the distance of the window frame adaptor so that the two ends of the assembly come into contact with the window frame. Fasten the 2 parts of the assembly with the screws provided.

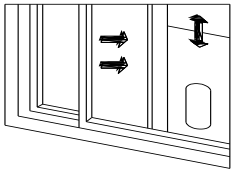


Figure 5

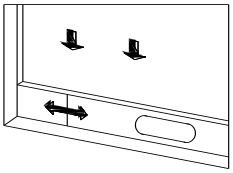


Figure 6

1.4 Installation of the unit

1). Move the machine with the heat exhaust hose assembly installed to the window and keep the unit at least 50cm (20”) away from the walls or big objects as shown in Figure 7.

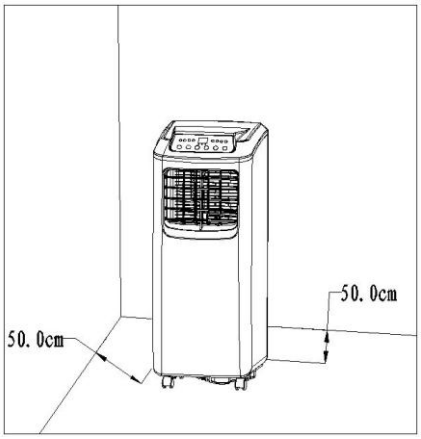


Figure 7

2). Snap the flat end of the heat exhaust hose end connector into the elliptical hole of the window frame adaptor board assembly as shown in Figures 8 and 9.

Note: 1. The flat end of the exhaust hose end connector must be snapped into place.

2. To ensure proper heat exhaust, the heat exhaust hose must not have bends greater than 45° .

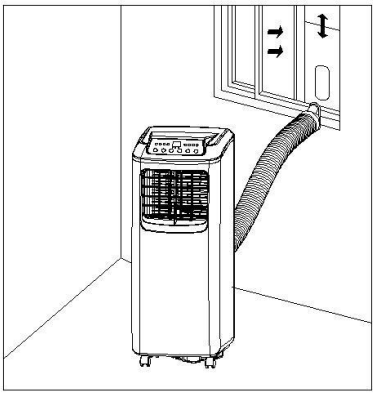


Figure 8

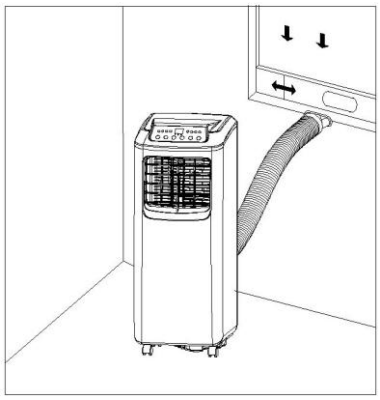


Figure 9

Important notes:

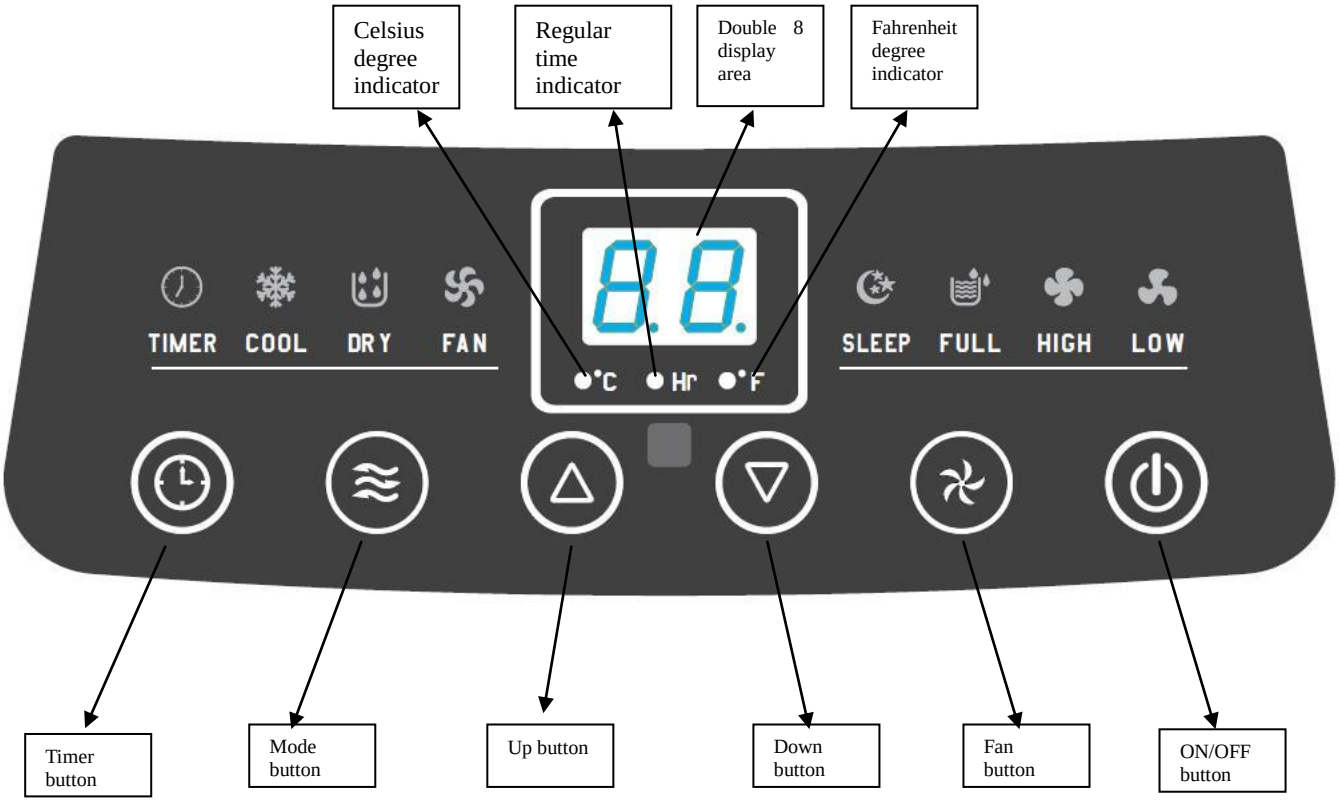
The exhaust hose extends from 280mm - 1500mm long (11” – 59”) and this length is based on the specification of the air-conditioner model(s). Do not extend the hose or replace with other type hoses as this may affect the functions of the air-conditioner.

The exhaust hose must be free of any obstructions to maintain a smooth and constant heat exhaust or else the air-conditioner may overheat.

Control Setting

Operation instructions of the control panel

1. Select the operation display depending on the models and functions.
2. The operation display is as follows:



Functions Setting

This portable air conditioner has three functions: Cooling, Dehumidifying and Fan. Fan has two speeds: high speed and low speed. Temperature setting is 17 – 30 C℃(62～86℉). 24 hour timer. Sensor and water-level protection function.

Buttons: The control panel has six keys: Power，Mode，Fan Speed, Timer, Up and Down key.

a). **Power Key:** Press this key to turn unit On or Off.

b). **Mode Key:** Set the Cooling, Dehumidifying or Fan Mode. When unit is Off the Mode key will set the Timer-On mode.

c). **Fan Speed:** Pres this key to set the fan speed. The fan speed changes in a loop from Low to High to Low. This key will not work during Dehumidifying Mode.

d). **Timer Key:** Press this key to set the Timer-Off function while in the Timer-On mode. When setting the time, the Regular time indicator will illumine, and after time is set the display will show the room temperature again in the Off mode.

e). **Up\Down Key:** Press any of these two keys to set the desired room temperature. Pressing the Up or Down key once will change the temperature by +1℃ or -1℉, and can also set the time in Timer Mode set-up. By pressing both keys at same time can also change the display from ℃ to F℉.

* The Up and Down Keys on the remote control can also be pressed simultaneously to change the temperature display from C to F.

2. Operation instructions of the unit controls

a) Formula for all Cooling models:

Ta = Room Temperature Ts = Programmed Temperature

If Ta≥Ts+1℃ (1℉) = the cooling mode starts.

If Ta≤Ts－1℃ (1℉) = the compressor stops and only the fan motor remains working at the set fan speed.

In the Cooling mode, pressing Timer and Down button will set Sleep function.

In the Sleep function, after operating two hours, the set temperature increases 1℃(1℉) automatically. After operating for another 2 hours, the set temperature will increase 1℃(1℉) again. After this last change of temperature it will remain un-changed and the fan will switch to low level.

b) In the Dehumidifying mode, if the ambient temperature is ≥17℃(62℉), the compressor will start. Then, the unit is controlled in the following manner: when the ambient temperature ≤15℃(59℉), the compressor shuts down. When the ambient temperature rises to ≥17℃(62℉), the compressor starts again. The start/stop of the compressor meets the requirement for 3-minute protection time.

c). In the Fan mode, the fan runs on high or low speed. Temperature setting will not work, and the unit displays environment temperature (between 10-35℃（50～95℉）)

3) Timer setting

a) Press the Timer button to enter the timing function (timed start/timed shutdown). Adjust the up or down button to set the timing time. The time will cycle in the order of 1－2－3－……24－0－1 hours or 24－23－22－……1－0－24 hours. The adjustment time of the timing function is relative time.

b) Upon start, press the Timer button to enter timed shutdown. Upon shutdown, press this button to enter timed start and the timer indicator will illuminate.

c) After timer start is set, once the start time is reached, the unit will start and the timer indicator will extinguish and the ambient temperature is displayed.

d) After timer shutdown is set, once the timed shutdown time is reached, the unit will shut down. The timer indicator will extinguish and the ambient temperature is displayed.

e) Only the last setting of the timing function is valid and valid once only.

f) Turning ON/OFF at the unit button or remote control, will clear all timing settings.

g) Once the timing is set, press the timer button once to query the remaining timed start/shutdown time. If the timer button is pressed twice within 5s, cancels timing.

h). The up and down button may be used to change the set value of the temperature.

Operation instructions of the remote control

The operation instructions of the buttons of this simple remote control are as follows:

1. Power button: press this button to turn on/off the unit;
2. Timer button: upon shutdown, press this button to set timed start; upon start, press this button to set timed shutdown.
3. High button: press this button to allow the unit to operate in the high fan speed state (except in the dry and sleep modes);
4. Low button: press this button to allow this unit to operate in the low fan speed state;
5. Up button: press this button to increase the temperature and timing value;
6. Down button: press this button to decrease the temperature and timing value;
7. ℃ — F button: press this button to switch between the Celsius and Fahrenheit degree;
8. Cool button: press this button to set this unit to operate in the cooling mode;
9. Fan button: press this button to set this unit to operate in the air fan supply mode;
10. Dry button: press this button to set this unit to operate in the dehumidifier mode;
11. Sleep mode: press this button to set this unit to operate in the sleep mode.

Multiple protection functions:

1. Anti-freeze protection function:

Upon cooling, when the compressors operates continuously for more than 10 minutes, if the pipe temperature Tp is less than or equal to 2℃ continuously for 20 seconds, the compressor and water spraying motor will turn off, and the LED displays E4. The unit initiates the anti-frost protection function and the buttons are inactive (except the OFF button). Once the pipe temperature rises to exceed or equal 8℃, the protection is relieved, the original status is restored. The unit must go through the required 3-minute delay protection of the compressor.

2. Full water protection function:

When the water in the water tray exceeds the alarm level, the unit will the alarm and the full water indicator illuminates. In this case, you need to drain the condensation water in the unit. The unit will shut down automatically after the buzzer gives off 5 beeps. (For more information about the drain method, refer to "Water Drainage"). If the unit is not shut down manually, the unit will be restored to the previous operating status automatically once the water is fully drained. Power may be turned on to start the unit.

3. Delay protection function of the compressor

This unit uses restart protection for the compressor. The compressor will start immediately when the unit is energized for the first time, but there is 3-minute delay re-start protection after the compressor is shut down.

Water Drainage

1. Manual drain: (as shown in Figure 10)

1). When the unit **stops from** full water" **protection**, turn the power off and unplug the power plug.

Note: move the unit carefully to avoid spilling the water tray at the bottom of the unit.

2). Put the pan below the water outlet at the back of the unit.

3). Screw off the drain cap, unplug the water plug and water will flow into the pan.

Note: 1. Protect the drain cap and water plug properly.

2. Tilt the unit slightly backward when draining to ensure complete drainage.

3. make sure the drain pan is big enough to hold all water from the unit to prevent the water from overflowing onto the ground or carpet.

4). Once the water is fully drained, insert the water plug and screw on the water cap tightly.

Note: 1. Turn on the unit only after the water plug and drain cap are installed properly; otherwise, the condensate of the unit will flow onto the ground or carpet.

Notice:Air goes through the unit, some steam in the air will condensate, When it is over 80% with humidity,the rate of condensating surpasses its self-evaporative rate,some water remains.

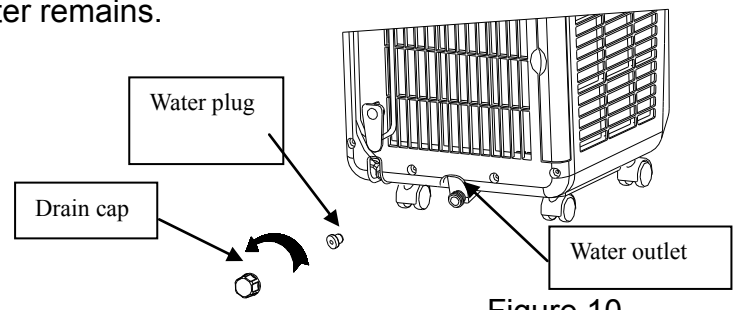


Figure 10

2. Continuous drain:

1). Screw off the water cap in the direction shown by the arrow on Figure 11 and unplug the water plug.

2). Insert the OD 13mm PVC drain hose 8mm-10mm into the water outlet; (Figure 12)

3). Connect the drain hose to a water drain or outdoor.

Note: 1. The drain hose must be installed when there is not water in the base plate;
2. When operating in the cooling mode, do not use continuous drainage to ensure the water for radiation of the condenser of the unit and enhance the cooling effects of the unit,
3. When operating in the heating mode, adopt continuous drain; otherwise, the unit may shut down due to full water;
4. Put the drain hose in an inaccessible place at a height not above the water outlet and keep the drain hose free from sharp bends.
5. When continuous drain is used, keep the drain cap and water plug in a safe place.

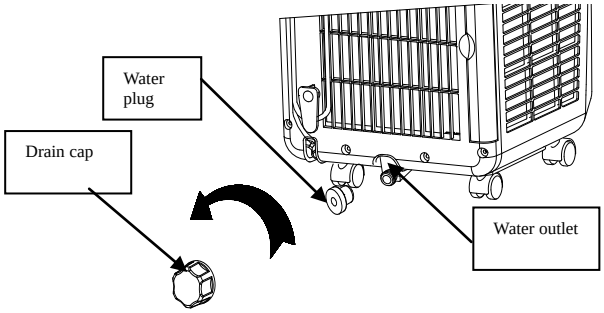


Figure 11

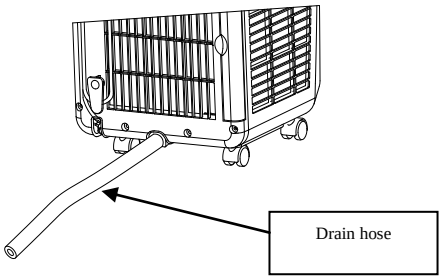


Figure 12

Maintenance and Servicing

Prior to maintenance / servicing the unit, turn off the power and unplug the AC.

1. Surface cleaning

Clean the surface of the unit with wet soft cloth. Do not use chemical solvents such as alcohol and gasoline; otherwise, the surface of the air-conditioner may be damaged.

2. Cleaning of the filter frame and filter mesh

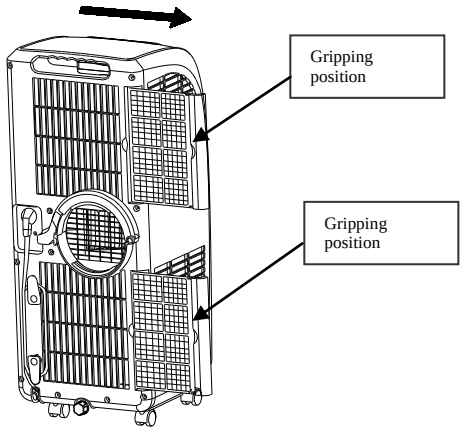
Clean the filter mesh once every two weeks. If the filter frame and filter mesh are clogged with dust, the function of the air-conditioner may decrease

2.1 Cleaning of the filter frame and filter mesh

1). Grip the gripping position of the evaporator filter frame and the condenser filter frame and take out the filter frame gently in the direction shown by the arrow (as shown in Figure 13).

2). Grip the gripping position of the evaporator filter mesh and condenser filter mesh and take out the filter mesh gently in the direction shown by the arrow (as shown in Figure 14).

Note: when taking out the filter frame or filter mesh, the force shall be applied evenly to avoid twisting or damage of the filter frame or filter mesh. Be sure to take out the filter frame first and then take out the filter mesh.



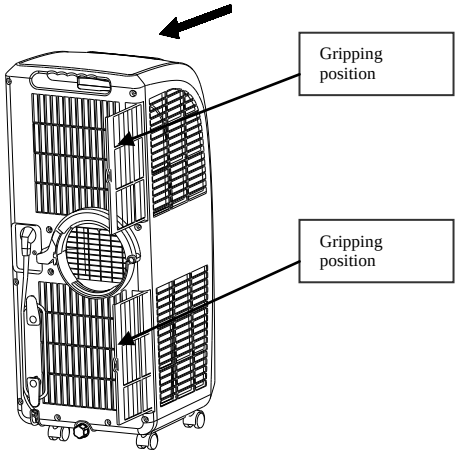


Figure 13 Figure 14

3). For cleaning, put the evaporator filter frame, condenser filter frame, evaporator filter mesh, and condenser filter mesh into warm water (about 40℃) mixed with a neutral cleaner, and then dry them in the shade (as shown in Figure 15).
Note: 1. Take care to not damage the mesh fabric on the filter frame and filter mesh.

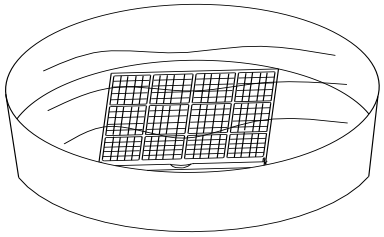


Figure 15

2.2 Installation of the filter frame and filter mesh

Special note: be sure to install the filter mesh first and then install the filter frame.

1）To install the evaporator filter mesh and condenser filter mesh, point the back end of the filter mesh toward the socket and then push the filter mesh evenly and gently into the socket.
Note: 1. Install the filter mesh in the reverse order of removal. The filter mesh must be installed into place; otherwise, the filter frame may not be installed into place.
2. Install the filter mesh gently so as not to damage it.

2). To install the evaporator filter frame and condenser filter frame, point the back end of the filter frame toward the socket and then push the filter frame evenly and gently into the socket.
Note: 1. Install the filter frame in the reverse order of removal. Be sure to install the filter mesh first before the filter frame is installed.
2. Install the filter frame gently so as not to damage it

3. Cleaning of the handle position and remote control storage area

1). Take the remote control out of the remote control storage area in the direction shown by the arrow; (as shown in Figure 16)

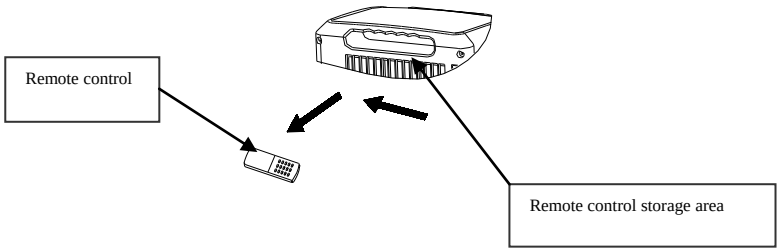


Figure 16

2). Clean the handle position and remote control storage area with a damp soft cloth;
Note: the soft cloth must be damp, not wet. Do not drip water into the unit.

3). If the remote control needs to be put back into the remote control storage area, put it back into the storage area in the reverse direction of removal.

Handling of the Unit

1. Handling and moving of the unit

1). To handle or move the unit, hold the top of the air outlet of the front shell with one hand and the handle position at the top of the back shell with another hand, and move the unit in an upright position. (As shown in Figure 17).

Note: 1. Do not handle unit by the horizontal louver.

2. Leave the unit in the upright position when handling or repositioning it.

3. To handle or move the unit, drain the water in the unit first to prevent the water from spilling onto the floor or carpet.

4. If the remote control is positioned in the handle, take out the remote control.

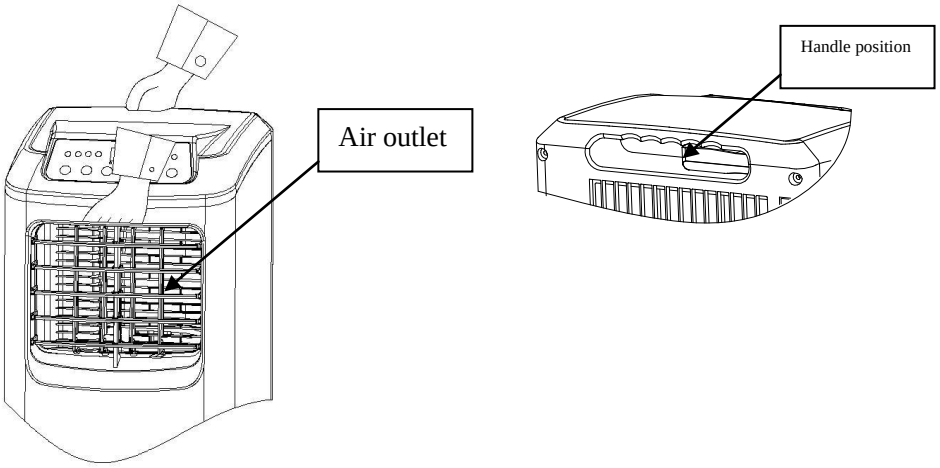


Figure 17

End of Season Storage

1. Screw off the drain cap, unplug the water plug, tilt unit and drain the water from the water tray into another vessel that holds water.

   Note: the tilt angle of the unit shall not be greater than 30 degrees.

2. Start the unit, turn the mode to the low fan speed of the air supply mode. Keep the unit on this mode for half a day to dry the interior of the unit and prevent mold.

3. Turn off the unit, unplug the power plug, wrap the power cord around the wire-winding post, insert the plug into the universal jack at the back shell of the unit. Do not forget to install the water plug and drain cap.

4. Remove the heat exhaust hose assembly and store it in a safe place.

   Note: to remove the heat exhaust hose assembly, hold the handle of the C shape buckle of the heat exhaust hose by hand, pull the C shape buckle outward evenly, rotate the C shape buckle of the heat exhaust hose clockwise. Once the buckle is separated from the snap position of the C shape buckle, take out the heat exhaust hose assembly.

5. Pack the air-conditioner properly with soft plastic bag, put the unit in a dry place & take appropriate dust-proof measures. Keep the unit out of the reach of children.

6. Take out the batteries of the remote control and keep it properly.

   Note: ensure that the unit is put in a dry place. All accessories of the unit shall be protected properly.

Troubleshooting

Never attempt to repair the air-conditioner yourself. Disqualified repair will void the warranty card and may cause harm to the removal personnel and property. If you encounter any of the problems listed in the table below or the recommended remedy does not work, contact the professional service agency.

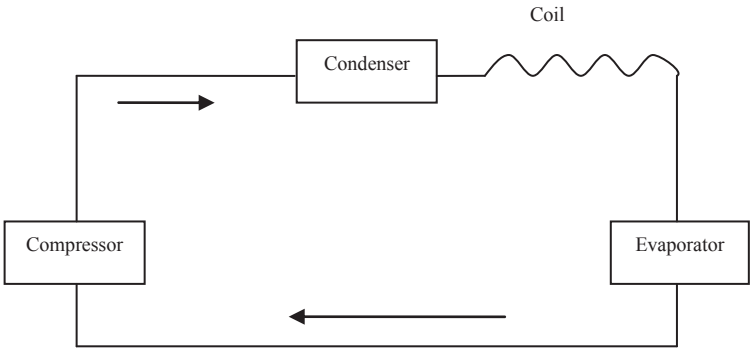
Problem/fault indication	Cause	Remedy
The air-conditioner does not work	No power	Connect the unit to a live socket and turn it on.
	Full water indicator illuminates?	Drain the water stored in the unit.
	Ambient temperature too low ?	It is recommended that this unit be operated at 10-35℃.
	The room temperature is lower than the set temperature in the cooling mode.	Change the set temperature
Bad cooling or heating effects	There is direct sunlight on unit	Draw the curtain close.
	The doors and windows are open, the room is crowded or there are other heat sources in the cooling mode	Close the door and window and add new air-conditioners
	Filter mesh very dirty	Clean or replace the filter mesh
	Air inlet or air outlet clogged	Remove the obstruction
Loud noise	Air-conditioner not put on a flat or level surface	Put the air-conditioner in a flat and firm place (may reduce noise)
The compressor does not work	Initiation of overheat protection.	Wait 3 minutes until the temperature decreases and then turn on the unit
The remote control does not work	Too long a distance from RC sensor	Bring the remote control close to the air-conditioner and ensure that the remote control points toward the receiving head of the remote control.
	The remote control does not point toward the receiving sensor of the remote receiver	
	The batteries are weak	Replace the batteries
Display E1	Pipe temperature sensor failure	Check the pipe temperature sensor and related circuits
Display E2	Room temperature sensor failure	Check the room temperature sensor and related circuits
Display E4	Anti-freeze protection	Restore the functions automatically once defrosted.
Full water indicator illuminates	The water in the base plate of the unit reaches the full water level	Drain the water in the base plate.

Appendix

Fuse parameters

Model: FSD or 50F
Voltage: 115V
Current: 7.64A

Schematic diagram of the air-conditioner



For specific technical parameters of the models, refer to the nameplate on the product (s).

Disposal: do not store waste products with other non-classified wastes. Such wastes shall be stored separately for other special purposes.

Shinco®

SERVICE CENTER

1845 S.Vineyard Ave.Ste.4
Ontario.CA 91761
Tel:909-974-2859
Fax:909-974-2865
Hours:8:30AM-5:00PM PST

TO OBTAIN WARRANTY SERVICE

Contact Shinco Technical Suport

Email:TechSupport@cchappliance.com

Phone:800.838.3315

From 8:30AM to 5:00PM Monday through Friday Pacific Time.

WARRANTY PERIOD:

Labor: 1 Year from the Date of Purchase.

Parts: 1 Year from the Date of Purchase.

Compressor: 3 Years from the Date of Purchase.